

SYLLABUS 2021 - 2022	
CLASS	X
NAME OF THE SUBJECT	ENGLISH
TEXT BOOKS	FIRST FLIGHT –Textbook for class X FOOTPRINTS WITHOUT FEET-Supplementary Reader for class X WORDS AND EXPRESSIONS-II, Workbook GRAMMAR-Integrated Grammar
REFERENCE BOOKS	

SYLLABUS:

S. NO.	UNIT / CHAPTER	DISTRIBUTION OF MARKS
	READING	10
	WRITING AND GRAMMAR	10
	LITERATURE	20
	TOTAL	40
	INTERNAL ASSESSMENT	10
	GRAND TOTAL	50

TERM I

MONTH: AUGUST 2021	PERCENTAGE OF SYLLABUS COVERED: 10.71 %
L.R	The Hundred Dresses-I The Hundred Dresses-II
S. R	Footprints without Feet

MONTH: SEPTEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 6.25 %
Reading Task	Comprehension Passages
Grammar	Integrated Grammar Exercises

TERM II

MONTH: OCTOBER 2021	PERCENTAGE OF SYLLABUS COVERED: 17.85%
L.R	Glimpses of India Amanda
S. R	The Necklace
Writing Task	Formal Letter -Order Analytical Paragraph Writing
Grammar	Integrated Grammar Exercises

MONTH: NOVEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 10.71%
L.R.	Madam Rides the Bus Animals
Writing Task	The Sermon at Benaras Formal Letter-Enquiry

MONTH: DECEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 10.71%
L.R.	The Proposal The Tale of Custard the Dragon
S. R	The Making of a Scientist

MONTH: JANUARY 2022	PERCENTAGE OF SYLLABUS COVERED: 7.14 %
S.R.	The Hack Driver Bholi

MONTH: FEBRUARY 2022	PERCENTAGE OF SYLLABUS COVERED: 3.57 %
Reading Task	Comprehension Passages
Grammar	Integrated Grammar Exercises

SYLLABUS 2021 - 2022	
CLASS	X
NAME OF THE SUBJECT	हिंदी-२
TEXT BOOKS	स्पर्श भाग 2, NCERT संचयन भाग 2 NCERT व्याकरण कुंज X PP publication
REFERENCE BOOKS	

SYLLABUS:

MONTH: AUGUST 2021	PERCENTAGE OF SYLLABUS COVERED: __10__ %
<p>स्पर्श - गद्य - अब कहां दूसरों के दुख में दुखी होने वाले</p> <p>व्याकरण - समास</p> <p>मुहावरे</p> <p>आंतरिक मूल्यांकन- 1. सामयिक आकलन</p> <p>2. बहुविध आकलन</p> <p>3. पोर्टफोलियो</p> <p>4. श्रवण एवं वचन</p>	

MONTH: SEPTEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: __4__ %

व्याकरण - अपठित बोध
अनुच्छेद लेखन

MONTH: OCTOBER 2021

PERCENTAGE OF SYLLABUS COVERED:
_16___ %

स्पर्श - गद्य - पतझड़ में टूटी पत्तियां (झेन की देन)
पद्य - मनुष्यता
संचयन- हरिहर काका
व्याकरण - अनुच्छेद लेखन
सूचना लेखन
आंतरिक मूल्यांकन- श्रवण एवं पाचन

MONTH: NOVEMBER 2021

PERCENTAGE OF SYLLABUS COVERED:
_16___ %

स्पर्श - गद्य --कारतूस
पद्य - पर्वत प्रदेश में पावस
व्याकरण - औपचारिक पत्र
लघु कथा लेखन
आंतरिक मूल्यांकन- बहुविध आकलन

MONTH: DECEMBER 2021

PERCENTAGE OF SYLLABUS COVERED:
_12___ %

स्पर्श -। पद्य- कर चले हम फिदा

संचयन- टोपी शुक्ला
व्याकरण -विज्ञापन लेखन
आंतरिक मूल्यांकन- पोर्टफोलियो
सामाजिक आकलन

MONTH: JANUARY 2022

PERCENTAGE OF SYLLABUS COVERED:

_____ %

समस्त पाठ्यक्रम की पुनरावृत्ति

MONTH: FEBRUARY 2022

PERCENTAGE OF SYLLABUS COVERED:

_____ %

SYLLABUS 2021 - 2022	
CLASS	X
NAME OF THE SUBJECT	MATHS
TEXT BOOKS	TEXT BOOK MATHEMATICS FOR CLASS X BY NCERT
REFERENCE BOOKS	REFERENCE BOOK EXEMPLAR PROBLEMS BY N.C.E.R.T.

SYLLABUS TERM 1:

S. NO.	UNIT / CHAPTER	DISTRIBUTION OF MARKS
1.	NUMBER SYSTEMS	06
2.	ALGEBRA	10
3.	COORDINATE GEOMETRY	06
4.	GEOMETRY	06
5.	TRIGONOMETRY	05
6.	MENSURATION	04
7.	STATISTICS & PROBABILITY	03
	TOTAL	40
	INTERNAL ASSESSMENT	10

MONTH: AUGUST 2021	PERCENTAGE OF SYLLABUS COVERED: <u>56</u> %
CH 12 AREA RELATED TO CIRCLES PERIMETER & AREA OF CIRCLE AREA OF SECTOR & SEGMENT OF A CIRCLE AREA OF COMBINATION OF PLANE FIGURES	

SYLLABUS TERM 2:

S. NO.	UNIT / CHAPTER	DISTRIBUTION OF MARKS
1.	ALGEBRA	10
2.	GEOMETRY	09
3.	TRIGONOMETRY	07
4.	MENSURATION	06
5.	STATISTICS & PROBABILITY	08
6.	TOTAL	40
7.	INTERNAL ASSESSMENT	10

MONTH: SEPTEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: <u>70.5</u> %
CH 9 SOME APPLICATIONS OF TRIGONOMETRY HEIGHTS & DISTANCES CH 4 QUADRATIC EQUATIONS SOLUTION OF A QUADRATIC EQUATION BY FACTORIZATION	

SOLUTION OF A QUADRATIC EQUATION BY
QUADRATIC FORMULA
NATURE OF ROOTS

MONTH: OCTOBER 2021

PERCENTAGE OF SYLLABUS COVERED:

81.5 %

CH 10 CIRCLE
TANGENTS TO A CIRCLE
NO. OF TANGENTS FROM A POINT ON THE CIRCLE

CH 11 CONSTRUCTIONS
DIVISION OF A LINE SEGMENT
CONSTRUCTIONS OF TANGENTS TO A CIRCLE

MONTH: NOVEMBER 2021

PERCENTAGE OF SYLLABUS COVERED: 92 %

CH 5 ARITHMETIC PROGRESSION
NTH TERM OF AN A.P.
SUM OF FIRST N TERMS OF AN A.P.

CH 13 SURFACE AREA AND VOLUMES
SURFACE AREA OF A COMBINATION OF SOLIDS

MONTH: DECEMBER 2021

PERCENTAGE OF SYLLABUS COVERED: 96 %

CH 13 SURFACE AREA AND VOLUME
VOLUME OF COMBINATION OF SOLIDS
CONVERSION OF SOLIDS FROM ONE SHAPE TO
ANOTHER

MONTH: JANUARY 2022

PERCENTAGE OF SYLLABUS COVERED:

100 %

CH 14 STATISTICS

MEAN OF GROUPED DATA

MODE OF GROUPED DATA

MEDIAN OF GROUPED DATA

MONTH: FEBRUARY 2022

PERCENTAGE OF SYLLABUS COVERED: _____ %

SYLLABUS FORMAT (MONTH WISE)

REVISED SYLLABUS

CLASS X

G. SCIENCE

Text Book : NCERT

Reference Book (if any) : SECONDARY PHYSICS(APC)
SECONDARY CHEMISTRY(APC)

Subject : G.SCIENCE

MARCH/ APRIL : **Chapter -1 Chemical reactions and equations**
LIGHT – REFLECTION AND REFRACTION

MAY : **Chapter -1 Chemical reactions and equations**
LIGHT – REFLECTION AND REFRACTION. (CONTD.)

JUNE : **CHAPTER – 2 Acids, Bases and Salts(CONT)**

REFLECTION AND REFRACTION. (CONTD.)

JULY : **CHAPTER – 2 Acids, Bases and Salts**

CHAPTER -3 METALS AND NON METALS
THE HUMAN EYE AND THE COLOURFUL WORLD.

Ch. 6: Life processes – Nutrition, Respiration, Transportation

AUGUST: CHAPTER -3 METALS AND NON METALS
THE HUMAN EYE AND THE COLOURFUL WORLD.

:

SEPTEMBER Ch. 6: Life processes – Excretion

REVISION

TERM II

OCTOBER CARBON AND ITS COMPOUNDS
: EFFECTS OF ELECTRIC CURRENT

Ch.8: How do organisms reproduce?

NOVEMBER: CARBON AND ITS COMPOUNDS
EFFECTS OF ELECTRIC CURRENT (CONTD.):
MAGNETIC EFFECTS OF ELECTRIC CURRENT
Ch.8: How do organisms reproduce? (Cont.)

DECEMBER: : PERIODIC CLASSIFICATION OF ELEMENTS
Chap 15. Our Environment
MAGNETIC EFFECTS OF ELECTRIC CURRENT (CONTD.)

JANUARY: Ch.9 Heredity and Evolution
REVISION

REVISION

PRACTICALS

TERM 1

1) Determination of the focal length of (i) Concave mirror and (ii) Convex lens by obtaining the image of a distant object. Unit-III:(Chapter- 10)

2) Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. Unit-III:(Chapter-10)

3) Tracing the path of the rays of light through a glass prism. Unit-III:(Chapter-11)

LIST OF CHEMISTRY EXPERIMENTS

1.	A. Finding the pH of the following samples by using pH paper/universal indicator:
(i)	Dilute Hydrochloric Acid
(ii)	Dilute NaOH solution
(iii)	Dilute Ethanoic Acid solution
(iv)	Lemon juice
(v)	Water
(vi)	Dilute Hydrogen Carbonate solution

B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:

a) Litmus solution (Blue/Red)

b) Zinc metal

c) Solid sodium carbonate **Unit-I:(Chapter-2)**

2. Performing and observing the following reactions and classifying them into:

A. Combination reaction

B. Decomposition reaction

C. Displacement reaction

D	Double displacement reaction
.	(i) Action of water on quicklime

- (ii) Action of heat on ferrous sulphate crystals
- (iii) Iron nails kept in copper sulphate solution
- (iv) Reaction between sodium sulphate and barium chloride solutions.

Unit-I:(Chapter-1)

3. A. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:

- (i) $\text{ZnSO}_4(\text{aq})$
- (ii) $\text{FeSO}_4(\text{aq})$
- (iii) $\text{CuSO}_4(\text{aq})$
- (iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$

B. Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.**Unit-I :(Chapter-3)**

BIOLOGY

1. Experimentally show that carbon dioxide is given out during respiration.

TERM-II

LIST OF EXPERIMENTS

1. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determining its resistance. Also plotting a graph between V and I.

Unit-IV:(Chapter-12)

CHEMISTRY –NO EXPERIMENT

Studying (a) binary fission in Amoeba, and (b) budding in yeast with the help of prepared slides.

SYLLABUS 2021 - 2022	
CLASS	X
NAME OF THE SUBJECT	HISTORY AND POLITICAL SCIENCE
TEXT BOOKS	INDIA AND THE CONTEMPORARY WORLD -II N.C.E.R.T DEMOCRATIC POLITICS- II N.C.E.R.T
REFERENCE BOOKS	ALL IN ONE SOCIAL SCIENCE CLASS X OSWAAL CBSE MCQ CHAPTER WISE QUESTION BANK FOR TERM 1 &II

SYLLABUS:

TERM 1		
S. NO.	UNIT / CHAPTER	DISTRIBUTION OF MARKS
1	India and the Contemporary World -II	10
2	Democratic Politics – II	10
TERM 2		
1	India and the Contemporary World -II	10
2	Democratic Politics – II	10

TERM 1

MONTH: AUGUST 2021		PERCENTAGE OF SYLLABUS COVERED: 20%
HISTORY	Ch.1 NATIONALISM IN EUROPE	
POL.SC.	Ch.1 POWER SHARING	

MONTH: SEPTEMBER 2021		PERCENTAGE OF SYLLABUS COVERED: 20%
HISTORY	Ch 1 NATIONALISM IN EUROPE (contd.)	
POL.SC	Ch.2 FEDERALISM	

TERM 2

MONTH: OCTOBER 2021	PERCENTAGE OF SYLLABUS COVERED: 30%
HISTORY	Ch 2 NATIONALISM IN INDIA Ch 4 AGE OF INDUSTRIALISATION (to be assessed in periodic test only. Not to be evaluated in board exam)
POL.SC.	Ch 6 POLITICAL PARTIES CH.7 OUTCOMES OF DEMOCRACY

MONTH: NOVEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 30%
HISTORY	Ch 4 AGE OF INDUSTRIALISATION (Chapter 4 of history to be assessed in periodic test only. Not to be evaluated in board exam)
POL.SC.	Ch 6 POLITICAL PARTIES (contd.) CH.7 OUTCOMES OF DEMOCRACY (contd.)

MONTH: DECEMBER 2021
REVISION

MONTH: JANUARY 2022
PREBOARD

MONTH: FEBRUARY 2022

MOCK TEST

SYLLABUS 2021 - 2022	
CLASS	X
NAME OF THE SUBJECT	GEOGRAPHY
TEXT BOOKS	CONTEMPORARY INDIA-II
REFERENCE BOOKS	-

SYLLABUS:

S. NO.	UNIT / CHAPTER	DISTRIBUTION OF MARKS
	TERM-I	
1	CH 1. Resources and Development	10
2	CH 3. Water Resources Note: The theoretical aspect of chapter 'Water Resources' to be assessed in the Periodic Tests only and will not be evaluated in Board Examination. However, the map items of this chapter as listed will be evaluated in Board Examination.	10
3	CH 4. Agriculture	
	TERM II	
1	Ch 5. Minerals and Energy Resources Note: The theoretical aspect of chapter 'Minerals and Energy Resources' to be assessed in the Periodic Tests only and will not be evaluated in Board Examination. However, the map items of this chapter as given in the Map List will be evaluated in Board Examination	
2	CH 6. Manufacturing Industries	10
3	CH 7. Life Lines of National Economy	10

MONTH: AUGUST 2021	PERCENTAGE OF SYLLABUS COVERED: <u>15</u> %
4. Agriculture • Types of farming • Cropping Pattern • Major Crops • Technological and Institutional Reforms • Impact of Globalization on Agriculture MAP WORK: a. Major areas of Rice and Wheat b. Largest / Major producer States of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute	

MONTH: SEPTEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: _____ %
REVISION-CH1,4 TERM 1 EXAM	

MONTH: OCTOBER 2021	PERCENTAGE OF SYLLABUS COVERED: 15_ %
<p>5. Minerals and Energy Resources • What is a mineral? • Mode of occurrence of Minerals • Ferrous and Non-Ferrous Minerals • Non-Metallic Minerals • Rock Minerals • Conservation of Minerals • Energy Resources o Conventional and NonConventional • Conservation of Energy Resources</p> <p>Note: The theoretical aspect of chapter 'Minerals and Energy Resources' to be assessed in the Periodic Tests only and will not be evaluated in Board Examination. However, the map items of this chapter as given in the Map List will be evaluated in Board Examination</p> <p>MAP WORK:Chapter 5: Minerals and Energy Resources Power Plants-(Locating and Labelling only)</p> <p>a. Thermal • Namrup • Singrauli • Ramagundam b. Nuclear • Narora • Kakrapara • Tarapur • Kalpakkam</p>	

MONTH: NOVEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 15_ %
<p>6. Manufacturing Industries • Importance of manufacturing • Contribution of Industry to National Economy • Industrial Location • Classification of Industries • Spatial distribution • Industrial pollution and environmental degradation • Control of Environmental Degradation</p> <p>MAP WORK: Chapter 6: Manufacturing Industries (Locating and Labelling Only) Cotton Textile Industries: a. Mumbai b. Indore c. Surat d. Kanpur e. Coimbatore Iron and Steel Plants: a. Durgapur b. Bokaro c. Jamshedpur d. Bhilai e. Vijaynagar f. Salem Software Technology Parks: a. Noida b. Gandhinagar c. Mumbai d. Pune e. Hyderabad f. Bengaluru g. Chennai h. Thiruvananthapuram</p>	

MONTH: DECEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 15 %
<p>7. Life Lines of National Economy • Transport – Roadways, Railways, Pipelines, Waterways, Airways • Communication</p>	

MONTH: JANUARY 2022	PERCENTAGE OF SYLLABUS COVERED: 5 %
<p>7. Life Lines of National Economy • International Trade • Tourism as a Trade</p> <p>MAP WORK: Chapter 7: Lifelines of National Economy Major Ports: (Locating and Labelling) a. Kandla b. Mumbai c. Marmagao d. New Mangalore e. Kochi f. Tuticorin g. Chennai h. Vishakhapatnam i. Paradip j. Haldia International Airports: a. Amritsar (Raja Sansi) b. Delhi (Indira Gandhi International) c. Mumbai (Chhatrapati Shivaji) d. Chennai (Meenam Bakkam) e. Kolkata (Netaji Subhash Chandra Bose) f. Hyderabad (Rajiv Gandhi)</p> <p>REVISION</p>	

MONTH: FEBRUARY 2022	PERCENTAGE OF SYLLABUS COVERED: _____ %
REVISION CH-6,7	

SYLLABUS 2021 - 2022	
CLASS	X
NAME OF THE SUBJECT	ECONOMICS
TEXT BOOKS	Economics NCERT
REFERENCE BOOKS	-

SYLLABUS:

S. NO.	UNIT / CHAPTER	DISTRIBUTION OF MARKS
	TERM I	
1	1. Development	
2	2. Sectors of the Indian Economy	
	TERM II	
1	3. Money and Credit	
2	4. Globalization and the Indian Economy	
MONTH: AUGUST 2021		PERCENTAGE OF SYLLABUS COVERED: _10 %
CH 2. Sectors of the Indian Economy -Division of sectors as organized and unorganized • Sectors in terms of ownership: Public and Private Sectors		

MONTH: SEPTEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: _____ %
REVISION CH -1,2	
TERM I EXAM	

MONTH: OCTOBER 2021	PERCENTAGE OF SYLLABUS COVERED: 20_ %
CH 3. Money and Credit • Money as a medium of exchange • Modern forms of money • Loan activities of Banks • Two different credit situations	

MONTH: NOVEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 15_ %
CH 3. Money and Credit • Terms of credit • Formal sector credit in India • Self Help Groups for the Poor	
CH 4. Globalization and the Indian Economy • Production across countries • Interlinking production across countries	

MONTH: DECEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 10_ %
CH 4. Globalization and the Indian Economy • Foreign Trade and integration of markets • What is globalization? • Factors that have enabled Globalization • World Trade Organization • Impact of Globalization on India	

MONTH: JANUARY 2022	PERCENTAGE OF SYLLABUS COVERED: 5_ %
CH 4. Globalization and the Indian Economy • The Struggle for a fair Globalization	
REVISION –CH 3,4	

MONTH: FEBRUARY 2022	PERCENTAGE OF SYLLABUS COVERED: _____ %
REVISION CH-3,4	

SYLLABUS 2021 - 2022	
CLASS	X
NAME OF THE SUBJECT	Artificial Intelligence
TEXT BOOKS	CBSE Handbook class X, Artificial Intelligence
REFERENCE BOOKS	Artificial Intelligence, by Goyal Brother Prakashan

SYLLABUS:

S. N	UNIT / CHAPTER	DISTRIBUTION OF MARKS
1	PART A: Employability skill	10
2	PART B: Introduction to AI	10
3	AI project cycle	10
4	Natural Language Processing	10
5	Evaluation	10

Term-I

MONTH: AUGUST 2021	PERCENTAGE OF SYLLABUS COVERED: 5 %
PART A: Employability Skills	
Unit 1: Communication Skills-II ,	
MONTH: SEPTEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 5 %
Unit 2: Self-Management Skills-II	

TERM-II

MONTH: OCTOBER 2021	PERCENTAGE OF SYLLABUS COVERED: 20 %
Unit 6: Natural Language Processing	
<ul style="list-style-type: none"> • Introduction to NLP • NLP applications • Revisiting AI project cycle • Introduction to Chatbots • Human Language v/s computer language • Concepts of NLP: Text Processing, Data Processing, Bag of words, TFIDF, NLTK 	

MONTH: NOVEMBER 2021	PERCENTAGE OF SYLLABUS COVERED: 10 %
PART A:	
Unit 3: Basic ICT Skills-II	

Unit 4: Entrepreneurial skills-II

Unit 5: Green Skills-II

MONTH: DECEMBER 2021

**PERCENTAGE OF SYLLABUS
COVERED: 20 %**

Unit 7: Evaluation

- Introduction
- Confusion matrix
- Evaluation score calculation

MONTH: JANUARY 2022

**PERCENTAGE OF SYLLABUS
COVERED: NA**

Revision

MONTH: FEBRUARY 2022

**PERCENTAGE OF SYLLABUS
COVERED: NA**

Revision